

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2015 Levee Inspection Results**

**Reclamation District No. 2085 Kasson**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Reclamation District No. 2085 Kasson**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	5.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2015 - 04/09/2015			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Ralph Timan RD2085			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2085_01_s _ 2013_7				
Action/Comments					
Inspector Comments: The O&M Manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2085_01_s _ 2013_9				
Action/Comments					
Inspector Comments: Flood fighting supplies are available at the River Club.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2085_01_s _ 2013_14				
Action/Comments					
Inspector Comments: The LMA has a flood fighting plan and training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2015

### Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	0.47	Rating **	M	Issue No.	5
LM End	0.47	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.723415 °	37.723415 °
				-121.298596 °	-121.298596 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:41350 DS_ID:20677 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned. Erosion around pipe on WS slope. Pipe severely corroded. Pier badly damaged. FIELD_STRUCT_DESC: 14-inch steel stormdrain pipe through the levee 4.5 feet below crown. Pump on pile structure in ditch on the landward side. Siphon breaker in corrugated metal riser unit on the waterward shoulder. Originally included in the 1968 O&M manual. FS Date: 09/05/2013					

LM Start	0.59	Rating **	M	Issue No.	19
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.722926 °	37.719517 °
				-121.297681 °	-121.293333 °
DWR ID	DWR_RD2085_01_s_2015_19				

Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_19\_20150413\_00018.jpg



View of the annual vegetation on the levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	1.29	Rating **	M	Issue No.	8
LM End	1.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.714404 °	37.714404 °
				-121.289469 °	-121.289469 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22285 DS_ID:24055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this modified crossing. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 3-feet below the crown. Pump mounted on pile structure in ditch on the landward side. Siphon breaker in 12-inch steel riser unit and a gatevalve on the waterward shoulder. FS Date: 09/10/2013					

No Photos

LM Start	1.34	Rating **	M	Issue No.	6
LM End	1.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.714265 °	37.714056 °
				-121.289641 °	-121.289069 °
DWR ID	DWR_RD2085_01_s_2012_6				
Action/Comments					
Ditch					
Inspector Comments: Drainage ditch at levee toe.					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_6\_20150317\_00003.jpg



View of the ditch at the landside levee toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	1.35	Rating **	M	Issue No.	10
LM End	1.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.714049 °	37.714049 °
				-121.288426 °	-121.288426 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41351 DS_ID:20679 EP_NO: 3975 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. Large hole in ground over pipe on WS berm. Pipe rusted through on WS at river bank. No connection to pump on LS toe. FIELD_STRUCT_DESC: 10-inch steel stormdrain pipe through the levee 4-feet below the crown. Steel plate over pipe end at pump station on LS toe. Siphon breaker in 24-inch corrugated metal riser unit on the waterward shoulder (Permit No. 3975, 1962). Originally included in the 1968 O&M manual. FS Date: 09/05/2013					

No Photos

LM Start	1.47	Rating **	M	Issue No.	21
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.713617 °	37.708475 °
				-121.287497 °	-121.277871 °
DWR ID	DWR_RD2085_01_s_2015_21				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_21\_20150413\_00019.jpg



View of the annual vegetation on the waterside slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	1.98	Rating **	M	Issue No.	11
LM End	1.98	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.708826 °	37.708826 °
				-121.279271 °	-121.279271 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19423					
DS_ID:20681					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: This pipe is abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 1 of 2: 10-inch pipe through the levee 2.0-feet below the crown. Pump mounted on pile structure in the river. Siphon breaker in 24-inch CMP riser on the LS slope. Power pole on LS toe. Wooden stairs and walkway from the berm to the pump structure. Originally included in the 1968 O&M manual.					
FS Date: 09/05/2013					

No Photos

LM Start	2.05	Rating **	M	Issue No.	18
LM End	2.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.708737 °	37.703893 °
				-121.279087 °	-121.274605 °
DWR ID	DWR_RD2085_01_s _ 2012_18				
Action/Comments					
Ditch					
Inspector Comments: Concrete-lined ditch near levee toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	2.57	Rating **	M	Issue No.	1
LM End	2.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.703094 °	37.703094 °
				121.274894 °	121.274894 °
DWR ID	DWR_RD2085_01_s _ 2015_1				
Action/Comments					
Inspector Comments: 09/20/2013: No significant change in erosion observed. More vegetation at the site. 12/04/2012: The erosion has progressed remarkably toward levee, extended to the up-and downstream of the original pocket erosion. Trees and dense bush are present at the site. Animal burrow holes are visible, and possibly can cause seepage. 09/22/2010: No significant change observed. There is little visibility due to seasonal grass on the berm and slope. 08/18/2009: Site is located on berm; pocket erosion has developed; the site is covered in dense vegetation; there are several relief wells on the landside of the levee; site is Not Rated because berm width is greater than 30 feet; site should be monitored to keep track of erosion progress. [2014 Site ID:RD2085U01RM66.5]					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_1\_20150317\_00001.jpg



Direct view of the erosion. Note dense vegetation at the site.

LM Start	2.58	Rating **	A/W	Issue No.	20
LM End	2.58	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			37.702903 °	37.702903 °
				-121.274860 °	-121.274860 °
DWR ID	DWR_RD2085_01_s _ 2012_20				
Action/Comments					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_20\_20150317\_00005.jpg



View of the underseepage relief wells at the landside levee toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	2.75	Rating **	M	Issue No.	13
LM End	2.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699698 °	37.699698 °
				-121.276325 °	-121.276325 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19431					
DS_ID:20688					
EP_NO: 16970					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: The wooden walkway on the WS slope is in disrepair.					
FIELD_STRUCT_DESC: 1 of 2: 14-inch steel irrigation pipe through the					
levee 2.0 feet below the crown. Pump on wooden pier at WS slope.					
Siphon breaker visible next to steel bollard on LS slope. Power pole on					
LS toe.					
FS Date: 09/05/2013					

No Photos

LM Start	3.23	Rating **	M	Issue No.	15
LM End	3.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.693618 °	37.693618 °
				-121.277639 °	-121.277639 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19433 DS_ID:20693 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 10-inch steel stormdrain pipe through the levee 4.0-feet below the crown. T-post marks location of Pipe at LS toe. Steel plate welded over pipe on WS slope. Asbuilts available DWG 7-4-1685. Originally included in the 1968 O&M manual. FS Date: 09/05/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	3.34	Rating **	M	Issue No.	16
LM End	3.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.691966 °	37.691966 °
				-121.278122 °	-121.278122 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19435 DS_ID:20687 EP_NO: 16970 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 2 of 2: 10-inch steel stormdrain pipe through the levee 2-feet below the crown. Appears to connect to pump 150-feet off LS toe. Possible butterfly valve at LS toe. Vent on WS shoulder. Steel plate welded over pipe end on WS toe. FS Date: 09/05/2013					

No Photos

LM Start	3.34	Rating **	N	Issue No.	30
LM End	3.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.693019 °	37.693019 °
				-121.277892 °	-121.277892 °
DWR ID	DWR_RD2085_01_s_2014_30				
Action/Comments					
Tree stumps.					

No Photos

LM Start	3.68	Rating **	A/W	Issue No.	2
LM End	3.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.688545 °	37.688545 °
				-121.276298 °	-121.276298 °
DWR ID	DWR_RD2085_01_s_2015_2				
Action/Comments					
Inspector Comments: 7/17/2014: No significant change observed. 09/10/2013: No significant change observed. 12/04/2012: This site has been documented before, and a cost estimate to repair has been prepared dated 05/09/2010. The fresh cut shows the erosion is developing. The berm width is at least 42 feet. Sticks were placed at three locations along the river bank, with 3 sticks 5 feet apart at each location. [2014 Site ID:RD2085U01RM67.7]					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_2\_20150317\_00002.jpg



Direct view of the erosion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	3.80	Rating **	A/W	Issue No.	24
LM End	3.80	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.686977 °	37.686977 °
				-121.276804 °	-121.276804 °
DWR ID	DWR_RD2085_01_s _ 2012_24				
Action/Comments					
Pipe					
Inspector Comments: Discharge from River Club lake.					

No Photos

LM Start	3.96	Rating **	M	Issue No.	25
LM End	3.96	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.683642 °	37.683642 °
				-121.275792 °	-121.275792 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19443 DS_ID:20684 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee 4.0-feet below the crown. Pump house on the waterward berm. Siphon breaker in 24-inch corrugated metal riser unit on the landside shoulder. Vent on WS toe. 2-inch galvanized iron electrical conduit at same location. Originally included in the 1968 O&M manual. FS Date: 09/05/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	4.26	Rating **	M	Issue No.	54
LM End	4.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.681886 °	37.681332 °
				-121.272333 °	-121.267518 °
DWR ID	DWR_RD2085_01_s_2012_54				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_54\_20150413\_00020.jpg



View of the vegetation on the waterside levee slope.

LM Start	4.40	Rating **	M	Issue No.	33
LM End	4.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.681863 °	37.681640 °
				-121.269856 °	-121.269046 °
DWR ID	DWR_RD2085_01_s_2012_33				
Action/Comments					
Landscaping					

Photo 1 of 2 : SP\_2015\_RD2085\_113\_33\_20150317\_00007.jpg



Updated photo of encroachments on landside toe.

LM Start	<b>4.40</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>4.45</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2015\_RD2085\_113\_33\_20150413\_00021.jpg



View of the landscaping at the landside levee slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	4.46	Rating **	N	Issue No.	32
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.681605 °	37.681605 °
				-121.268882 °	-121.268882 °
DWR ID	DWR_RD2085_01_s_2012_32				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_32\_20150317\_00006.jpg



11/03/2011 Large stump on landside slope.

LM Start	4.59	Rating **	M	Issue No.	17
LM End	4.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.681158 °	37.681158 °
				-121.266587 °	-121.266587 °
DWR ID	DWR_RD2085_01_f_2013_17				
Action/Comments					
Firewood					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_17\_20150317\_00004.jpg



View of the firewood stored at the landside levee toe.

LM Start	4.78	Rating **	A/W	Issue No.	36
LM End	4.78	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.679527 °	37.679527 °
				-121.265367 °	-121.265367 °
DWR ID	DWR_RD2085_01_s_2012_36				
Action/Comments					
Building					
Inspector Comments: Monitoring station on waterward side.					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_36\_20150317\_00009.jpg



04/28/2011 Monitoring station.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	4.78	Rating **	A/W	Issue No.	35
LM End	4.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.679526 °	37.679526 °
				-121.265367 °	-121.265367 °
DWR ID	DWR_RD2085_01_s_2012_35				
Action/Comments					
Stairway					
Inspector Comments: Stairs for monitoring station on landside slope.					

Photo 1 of 1 : SP\_2015\_RD2085\_113\_35\_20150317\_00008.jpg



04/28/2011 Stairs on landside slope for monitoring station.

LM Start	5.02	Rating **	M	Issue No.	22
LM End	5.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.677830 °	37.677830 °
				-121.268769 °	-121.268769 °
DWR ID	DWR_RD2085_01_f_2013_22				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.14	Rating **	M	Issue No.	26
LM End	5.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675244 °	37.675244 °
				-121.269287 °	-121.269287 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22290					
DS_ID:24058					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee					
at unknown depth below the crown. Siphon breaker in 10-inch steel					
riser on LS shoulder.					
FS Date: 09/10/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Reclamation District No. 2085 Kasson**

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River				0.70
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2015 - 04/09/2015			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Ralph Timan RD2085			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.70	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	0.46	Rating **	M	Issue No.	3
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.710991 °	37.710991 °
				-121.271462 °	-121.271462 °
DWR ID	DWR_RD2085_02_s_2015_3				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

Photo 1 of 1 : SP\_2015\_RD2085\_114\_3\_20150413\_00002.jpg



View of the tire depression on the levee slope.

LM Start	0.68	Rating **	M	Issue No.	1
LM End	0.68	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.713838 °	37.713838 °
				-121.269690 °	-121.269690 °
DWR ID	DWR_RD2085_02_s_2012_1				
Action/Comments					
Equipment					
Inspector Comments: Heavy equipment is being stored on the levee crown. Remove equipment from levee slope.					

Photo 1 of 1 : SP\_2015\_RD2085\_114\_1\_20150317\_00001.jpg



View of farming equipment being stored on the levee crown at the end of the spur levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Reclamation District No. 2085 Kasson**

Waterway			Bank	Unit Miles
Unit No. 03 San Joaquin River				0.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2015 - 04/09/2015			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Ralph Timan RD2085			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Reclamation District No. 2085 Kasson**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	04/09/2015 04/09/2015	Maksim Khashchuk

LM Start	0.02	Rating **	M	Issue No.	4
LM End	0.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.680772 °	37.680772 °
				-121.264359 °	-121.264359 °
DWR ID	DWR_RD2085_03_s_2015_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP\_2015\_RD2085\_115\_4\_20150413\_00002.jpg



View of the vegetation on the levee slopes.

LM Start	0.21	Rating **	U	Issue No.	1
LM End	0.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.682798 °	37.683052 °
				-121.262059 °	-121.261851 °
DWR ID	DWR_RD2085_03_s_2014_1				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion of the waterside levee slope has been observed. The erosion is about 3 feet tall vertical from the slope to the base of projected levee toe.					

Photo 1 of 1 : SP\_2015\_RD2085\_115\_1\_20150317\_00001.jpg



View of the erosion at the waterside levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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